



THE CITY OF REDMOND
FIRE DEPARTMENT

TO: City Council

FROM: Rosemarie Ives, Mayor

DATE: March 6, 2007

SUBJECT: Interlocal Agreement Amendment with the City of Bellevue for the Paging and Station Alerting System

I. RECOMMENDED ACTION

Authorize the Mayor to sign an amended interlocal agreement between the City of Redmond and the City of Bellevue for the Paging and Station Alerting System.

II. DEPARTMENT CONTACT PERSON

Tim Fuller, Fire Chief – (425) 556-2202
 Bob Oliver, Deputy Chief – (425) 556-2205
 Andy Hail, Deputy Chief – (425) 556-2221

III. DESCRIPTION

The City of Redmond has participated in the Eastside Regional Communications Center for dispatching of fire and emergency medical incidents since 1973. This agreement is an amendment to the current Emergency Fire and Medical Communications Services Dispatch Agreement. The City of Redmond and its regional partners are constantly looking for ways to improve the delivery of service to our communities. After looking at the components in the emergency dispatching system, it was identified that the paging and emergency services alerting system needed improvement since the current technology is 30 years old. The current system dispatches each unit sequentially, and the new system will send all of the station alerting at the same time saving valuable time and reducing response times. The region was unsuccessful in obtaining a grant that would have paid for approximately 50% of the initial cost.

IV. BACKGROUND

In 2002, all the agencies dispatched by the Eastside Communications Center agreed to fund a study of the paging and station alerting system in order to know what technology changes were available. ADCOMM Engineering was hired for this purpose and completed the study in February 2003.

The study resulted in several recommendations by ADCOMM to improve our ability to dispatch first responders to emergencies and identified opportunities to replace outdated equipment and systems used to notify firefighters of emergencies. In many cases, new equipment could reduce dispatch times by 21 seconds on average. The time required to provide emergency alarm notification has increased and will continue to increase as more people and specialized equipment are required for many incidents.

V. IMPACT

- A. Service Delivery: This may be the most cost effective method available to improve response times.
- B. Fiscal: The total cost of \$213,870 for the initial implementation of the system will be funded out of the Fire Capital Investment Program. Funding for ongoing maintenance and operation of the system is included in the 2007/2008 biennial budget.

VI. ALTERNATIVES


- A. The Council may choose to not approve the amended agreement, which would remove the City of Redmond as a participant in the Paging and Station Alerting System.

VII. TIME CONSTRAINTS – None

VIII. LIST OF ATTACHMENTS

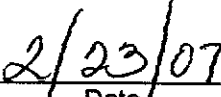
Exhibit: Interlocal Agreement between the City of Bellevue, Washington, and the City of Redmond, Washington – Paging and Station Alerting System


Tim Fuller, Fire Chief


Date

Approved for Council Agenda:


Rosemarie Ives, Mayor


Date

EMERGENCY FIRE AND MEDICAL
COMMUNICATION SERVICES AGREEMENT

AMENDMENT #1

Emergency Fire and Medical Communication Services Agreement, Clerk's Receiving
No. _____ dated _____ between the City of Bellevue and
_____ is hereby amended as follows:

WHEREAS, the City of Bellevue has agreed to extend to the Emergency Fire and Medical Communication Services Contracting Agencies access to the City's Reverse 911 system; and

WHEREAS, the Contracting Agencies have agreed to pay for any additional costs incurred by the City of Bellevue for extending access to Reverse 911 services to the Contract Agencies;

WHEREAS, the City of Bellevue and the following Contract Agencies agree to the need to purchase and implement a new regional paging and station alerting system to improve the quality of emergency services by reducing response times to critical emergency incidents, both fire and emergency medical for all participating agencies; and

WHEREAS, pursuant to Section 15. C. specifically excludes the Bellevue Capital Investment Program expenditures unless and until an amendment to the agreement is separately negotiated defining which types of projects can be included and under what circumstances; and

WHEREAS, the following Contracting Agencies have agreed to the proposed budget, contained in Attachment 1, for the new regional paging and station alerting system and to pay a proportional share of the infrastructure costs and all costs associated with installing new station altering equipment in their prospective facilities;

Bellevue Fire Department
Bothell Fire Department
Duvall Fire Department
Eastside Fire & Rescue
Fall City Fire Department
Kirkland Fire Department
Mercer Island Fire Department
Northshore Fire Department
Redmond Fire Department
Shoreline Fire Department
Snoqualmie Fire Department
Woodinville Fire and Life Safety; and

WHEREAS, the Skykomish Fire Department and the Snoqualmie Pass Fire Department have declined to participate in the new paging and station alerting system and will continue to use the current paging and station alerting systems until such time that they agree to participate in the purchase and installation of the new regional paging and station alerting system or the agencies choose to discontinue contracting with the City of Bellevue for Emergency Communication Services; and

WHEREAS, if at any future time the Skykomish Fire Department and the Snoqualmie Pass Fire Department decide to participate that they will be responsible for reimbursing the other agencies for their proportional share of the infrastructure costs of the new regional paging and alerting system; and

WHEREAS, the participating Contract Agencies agree to pay one-half of the proposed project budget within 60 days of signing this agreement, and any remaining budget estimate within 30 days of receiving a bill from the City of Bellevue for the project;

WHEREAS, all other terms and conditions of the Emergency Fire and Medical Communication Services Agreement shall remain the same.

IN WITNESS whereof, the parties acting in their official capacities have hereby executed this Amendment by affixing thereto the signatures of the proper officers on the dates below indicated.

Executed this _____ day of _____, 200__.

CITY OF BELLEVUE

By _____

Its _____
City Manager

APPROVED AS TO FORM:

City Attorney

CITY OF BOTHELL

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF DUVALL

By _____

Title _____

APPROVED AS TO FORM:

Title _____

EASTSIDE FIRE & RESCUE

By _____

Title _____

APPROVED AS TO FORM:

Title _____

**KING COUNTY FIRE DISTRICT #27/
FALL CITY**

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF KIRKLAND

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF MERCER ISLAND

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

**KING COUNTY FIRE DISTRICT
#16/NORTHSHORE**

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF REDMOND

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF SHORELINE

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

CITY OF SNOQUALMIE

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

**WOODINVILLE FIRE AND
LIFE SAFETY DISTRICT**

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

**KING COUNTY FIRE DISTRICT #50/
SKYKOMISH/STEVENS PASS**

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

**KING COUNTY FIRE DISTRICT
#51/SNOQUALMIE PASS**

By _____

Its _____
Title _____

APPROVED AS TO FORM:

Title _____

Zone 1 Paging and Station Alerting System Replacement Project Budget

October 6, 2005

King County Fire Zone 1
People and Station Alerting Technology
All Departments and Stations - Attachment 1
EXCEPT Skykomish and Snoqualmie Pass

Date Printed 02/22/2007

	# of Units	Estimated System Costs	Cost/Unit	Cost/Unit + Sales Tax	Revised Cost Estimate
Sales Tax Rate				8.8%	
Centralized Costs					
Location Centralized Costs		\$ 218,000	\$ 218,000	\$ 235,008	\$ 235,008
Network common equipment & 7 radio sites		\$ 440,000	\$ 440,000	\$ 478,720	\$ 478,720
Design / Engineering / Project Management		\$ 201,000	\$ 201,000	\$ 218,688	\$ 218,688
Total Centralized Costs		\$ 857,000	\$ 857,000	\$ 932,416	\$ 932,416
Station Costs					
Station Survey	58	\$ 87,000	\$ 1,500	\$ 1,632	\$ 94,656
Location Station Equipment	58	\$ 446,600	\$ 7,700	\$ 8,378	\$ 485,901
Total Per Station Costs		\$ 533,600	\$ 9,200	\$ 10,010	\$ 580,557
Pager Costs					
Alphanumeric pagers	793	\$ 31,250	\$ 125	\$ 136	\$ 107,848
Total Project Costs		\$ 1,421,850			

Comments

- 1 Includes cost for station alerting using Location CADVoice
- 2 Includes cost for Location CADVoice radio system interface
- 3 Location Centralized Costs include hardware, software, implementation support and first year annual support.
- 4 Removed duplicate project management costs
- 5 Assumes centralized design, engineering and project management for network and station technology
- 6 Assumes use of existing fire station audio, lighting and appliance control systems
- 7 Number of station and pagers per department is based on April 2004 survey of all departments

Departmental Cost Information	Total	Bellevue	Bothell	Duvall	Eastside Fire and Rescue	Fall City	Kirkland	Mercer Island	Northshore	Redmond	Shoreline	Skykomish	Snoqualmie	Snoqualmie Pass	Woodinville
Stations / Pagers per Department															
Total Stations	58	10	3	2	15	1	6	2	2	7	5		1	-	4
Total Pagers	793	89	30	60	250	26	25	38	15	65	60	-	35	-	100
2004 Calls for Service															
% of Calls for service	66,890	16,322	4,425	973	8,808	627	6,986	2,206	3,180	9,682	8,608		924		4,149
	100%	24.40%	6.62%	1.45%	13.17%	0.94%	10.44%	3.30%	4.75%	14.47%	12.87%	0.00%	1.38%	0.00%	6.20%
Estimated Cost Per Department															
Centralized Costs	\$ 932,416	\$ 227,521	\$ 61,682	\$ 13,563	\$ 122,779	\$ 8,740	\$ 97,382	\$ 30,751	\$ 44,328	\$ 134,963	\$ 119,992	\$ -	\$ 12,880	\$ -	\$ 57,835
Station Costs	\$ 580,557	\$ 100,096	\$ 30,029	\$ 20,019	\$ 150,144	\$ 10,010	\$ 60,058	\$ 20,019	\$ 20,019	\$ 70,067	\$ 50,048	\$ -	\$ 10,010	\$ -	\$ 40,038
Alphanumeric Pagers	\$ 107,848	\$ 12,104	\$ 4,080	\$ 8,160	\$ 34,000	\$ 3,536	\$ 3,400	\$ 5,168	\$ 2,040	\$ 8,840	\$ 8,160	\$ -	\$ 4,760	\$ -	\$ 13,600
Total		\$ 339,721	\$ 95,791	\$ 41,742	\$ 306,923	\$ 22,286	\$ 160,839	\$ 55,938	\$ 66,387	\$ 213,870	\$ 178,200	\$ -	\$ 27,650	\$ -	\$ 111,474